

**In The Claims:**

1-34. (Cancelled)

35. (Currently Amended) A research or diagnostic kit for detecting cervical dysplasia or neoplasia, comprising (a) a first primary antibody against p16<sup>INK4a</sup> polypeptide, and (b) a second primary antibody against Ki67 polypeptide, wherein the first and second primary antibodies are obtained from different animals selected from the group consisting of mice, rats, rabbits, sheep, and goats; and (c) a positive control of cervical cells immunoreactive for p16<sup>INK4a</sup> and Ki67, wherein the kit components are provided in a way to allow for a simultaneous detection of the p16<sup>INK4a</sup> polypeptide and the Ki67 polypeptide marker, by at least two distinguishable detectable signals.

36. (Withdrawn) The kit according to claim 35, further comprises an antibody against p14ARF.

37. (Withdrawn) The kit according to claim 35, further comprises an antibody against MCM2, MCM5, Ki-S2, PCNA, rpA, or rfc.

38. (Currently Amended) The kit according to claim 35 furthermore comprising at least one of the following:

- a. a p16<sup>INK4a</sup>-sample for carrying out a positive control reaction;
- b. a Ki67 sample for carrying out a positive control reaction;
- c. reagents for detection of the presence or absence and/or the level of p16<sup>INK4a</sup>, and
- or d b. reagents for detection of the presence or absence and/or the level of Ki67.

39. (Currently Amended) A research or diagnostic kit for detecting cervical dysplasia or neoplasia, comprising (a) a first antibody against p16<sup>INK4a</sup> polypeptide, and (b) a second antibody against Ki67 polypeptide, and (c) a positive control of cervical cells immunoreactive for

p16<sup>INK4a</sup> and Ki67, wherein said first and second antibody are labelled with distinguishable labels.

40-41. (Cancelled)

42. (Previously Presented) The kit according to claim 39, wherein said labels are selected from the group consisting of radioisotopes, bioluminescent compounds, chemiluminescent compounds, fluorescent compounds, metal chelates, and enzymes.

43. (Previously Presented) The kit according to claim 42, wherein said labels are fluorescent compounds or enzymes.

44-46. (Cancelled)

47. (Withdrawn) The kit according to claim 35, further comprises an antibody against MCM2.

48. (Previously Presented) The kit according to claim 35, further comprises two secondary antibodies against the primary antibodies, said secondary antibodies are labelled with the two distinguishable detectable signals.

49. (Previously Presented) The kit according to claim 48, wherein said first primary antibody is a mouse antibody and said second primary antibody is a rabbit antibody.